查询IH0503供应商

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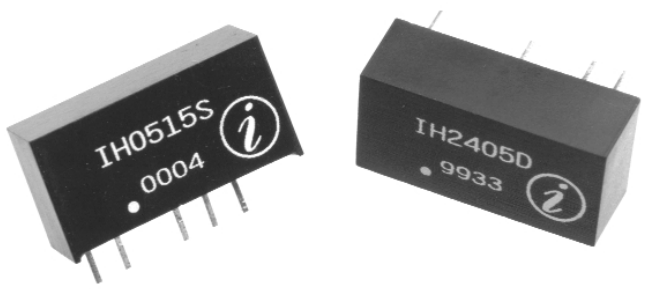
DC/DC Converters

2 Watts
IH Series

XPiQ inc.
Intelligent Design Quality Product



- 0.22 in² Board Space
- 75% Efficiency
- 5, 12, 24 and 48 VDC Inputs
- 1000/3000 VDC Isolation
- SIP and DIP Packages
- Low Cost

Specification

All specifications are typical at nominal line, full load & +25°C

Input

Input Voltage	•	*±10%*
Input Reflected Noise (20 MHz) BW	•	*100 mV pk-pk max*

Output

Output Voltage Accuracy	•	*±5%*
Output Ripple & Noise (20 MHz BW)	•	*150 mV pk-pk max*
Line Regulation	•	*1.2%/1% of Vin*
Load Regulation (20% to 100% Load)	•	*±10%*

General

Efficiency	•	*At full load 9 V, 12 V & 15 V outputs 80% typical* *At full load 3.3V and 5V outputs 70% typical*
Short Circuit Protection	•	*1 second max*

Environmental

Input Output Isolation	•	*1000 VDC/3000 VDC for 'H' option*
Temperature Coefficient	•	*0.03%/°C max*
Operating Temperature Range	•	*-40 °C to +85 °C*
Storage Temperature Range	•	*-55 °C to +125 °C*

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OUTPUT VOLTAGE & CURRENT RATINGS — IH

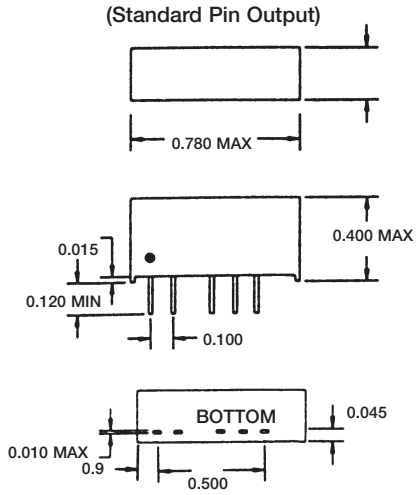
Output Voltage	Output Current	5 VDC Input	12 VDC Input	24 VDC Input	48 VDC Input
±3.3 VDC	±300 mA	IH0503	IH1203	IH2403	IH4803
±5.0 VDC	±200 mA	IH0505	IH1205	IH2405	IH4805
±9.0 VDC	±111 mA	IH0509	IH1209	IH2409	IH4809
±12.0 VDC	±84 mA	IH0512	IH1212	IH2412	IH4812
±15.0 VDC	±66 mA	IH0515	IH1215	IH2415	IH4815

Notes

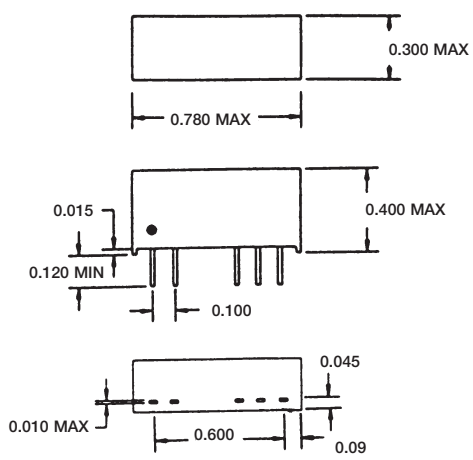
Add suffix "S" for single-in-line package, suffix "D" for dual-in-line package.
Add suffix "H" for 3000 VDC isolation.

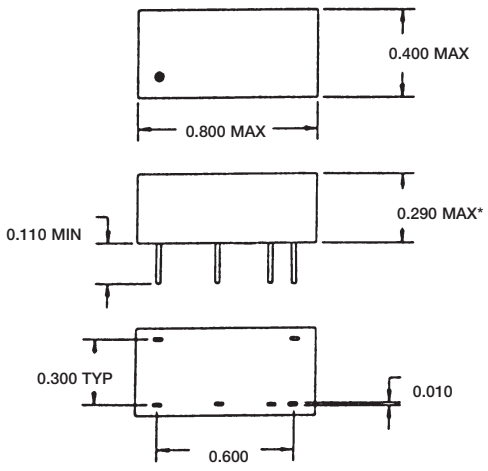
Mechanical Details

1000 VDC Isolation
(Standard Pin Output)

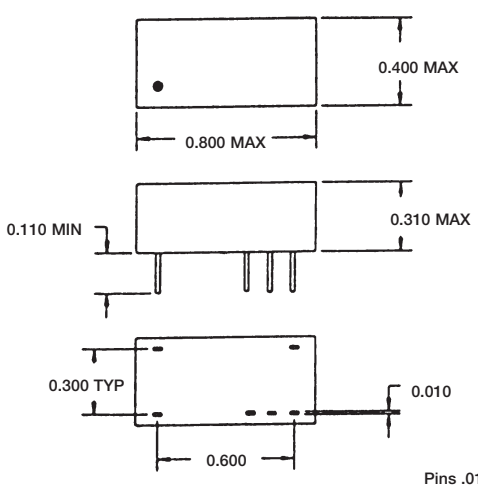


3000 VDC Isolation
(H Option)





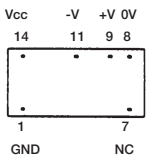
* 0.310 max for 48VDC input models



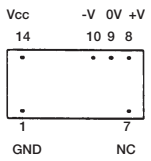
Pins .01 x .02 inches

Pin Connections & Derating Curve

1000 VDC Isolation

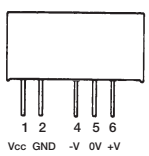


3000 VDC Isolation

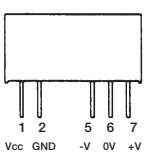


DUAL-IN-LINE PACKAGE
(TOP VIEW)

1000 VDC Isolation

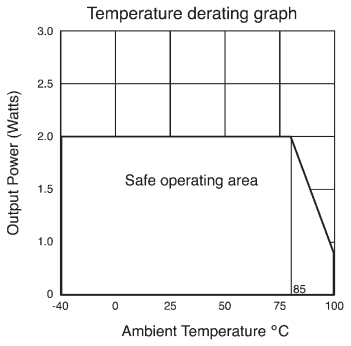


3000 VDC Isolation



SINGLE-IN-LINE PACKAGE
(TOP VIEW)

Temperature derating graph



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